CASIO

MO02249206A 英独仏西伊 Printed in Japan/Imprimé au Japon

CASIO
DC-150L

OPERATION MANUAL
BEDIENUNGSANLEITUNG
MODE D'EMPLOI
MANUAL DE OPERACION
MANUALE D'ISTRUZIONI

FTZ

English.....1
Deutsch.....40
Français.....83
Español.....124
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Congratulations upon your selection of the Casio DC-150L DATA-CAL. The DC-150L gives you calculations capabilities plus handy Telephone Directory and Conversion Memory functions in a compact notebook configuration you can slip right into your pocket.

To ensure that the DC-150L performs at the level for which it was designed, be sure to read the following instructions carefully. Also, keep these instructions handy for future reference.

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Important

- This Data Cal features digital memory that lets you store large volumes of data for quick and easy recall when you need it. You should also remember, however, that such data can become corrupted or even lost entirely should battery power drop below a certain level or if you replace the battery. Once this happens, you cannot recover the data. Because of this, we recommend that you keep written physical copies of your data.
- In no event shall Casio Computer Co., Ltd. be liable to anyone for special, collateral, incidental, or consequential damages in connection with or arising out of the purchase or use of this Data Cal. Moreover, Casio Computer Co., Ltd. shall not be liable for any claim of any kind whatsoever against the use of this Data Cal by any other party.
- Do not expose the Data Cal to extremely high or low temperatures, sudden temperature changes, bending, twisting or strong impact.

- This Data Cal is not water resistant. Avoid liquids and high humidity.
- Do not press keys using sharp objects. Perform key operations by pressing with your fingers only.
- Never try to take the Data Cal apart.
- Remove the battery when it goes dead. Replace the battery once every two years regardless of how much you use the Data Cal during that time.
- To clean the Data Cal, wipe it off with a soft cloth that has been moistened with a weak solution of water and a neutral detergent. Never use volatile fluids such as lacquer thinner, benzine, etc.

Note

Before using this Data Cal for the first time, be sure to perform the reset operation described under "**Reset Operation**".

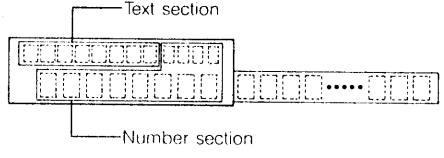
Auto Power Off Function

The Data Cal switches off automatically if you do not perform any key operation for about 6 minutes. Press **ON** to restore power.

About the data display...

The data display is divided between two sections. With the Telephone Directory, the ***text section*** can contain up to 8 letters, numbers, periods, spaces or symbols (−, ¥, $, £, →), while the ***number section*** can contain up to 24 numbers, spaces and hyphens.

Example: Telephone Directory data



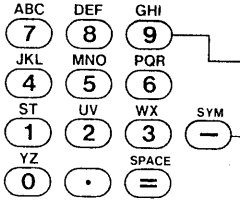
- The number section of the display can show only 12 digits at once. Use the ▷ and ◁ keys to scroll the number left and right.
- In this manual, a text + number combination is referred to as a ***data item***. The text in a data item is called its ***text data***, while the numbers are referred to as ***number data***.
- With the Conversion Memories, the ***text section*** can contain up to 6 letters, numbers, spaces or symbols (−, ¥, $, £, →), while the ***number section*** can contain up to 8 numbers.

Inputting Data

The following shows the basics of the key operations required to input letters, numbers, and symbols.

To input characters

Press the input key that is marked with the character you wish to enter. Since each key is assigned three or four characters, press the key as many times as necessary until the character you want to input appears on the display. To input a series of characters assigned to the same key (such as "D" followed by "E"), enter the first character (press **8** once to enter "D"), press ▷ to move the cursor to the next position, and then enter the second character (press **8** twice to enter "E"). To input a series of characters assigned to different keys (such as "B" followed by "D") enter the first character (press **7** twice to enter "B"), and then enter the second character (press **8** once to enter "D"). You do not need to press ▷ to move the cursor when characters are assigned to different keys.



Example:

The character entered for this key changes with each press in the following sequence:

G → H → I → 9 → G → H · · · ·

The input for this key changes with each press as shown below.

— → $ → £ → ➡ → — · · ·

• To input a space, press SPACE (=).

To edit characters

1. Move the cursor to the character to be changed.
2. Enter the desired character.

Example: To edit data in the Telephone Directory.

DC-250L → DC-150L

◁ ◁ ◁ ◁

ST (1) ST (1) ST (1)

☎DC−250L_
☎DC−_50L
☎DC−150L

Using the Telephone Directory

The Telephone Directory can store up to 50 sets* of name and telephone numbers (based on 8 characters of text and 12 numeric digits) for instant recall when you need it. Besides telephone numbers, you can also store passport numbers, or other data. You can even use a Secret Function to keep your data private.

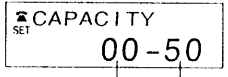
* Using Conversion Memories reduces Telephone Directory memory.

To input Telephone Directory data

Example: To input the data: CASIO 045-012-3456.

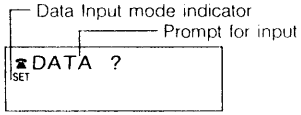
1. Press **TEL** to enter the Telephone Directory mode. If there is already data stored in memory, the first data item appears on the display. The message "**NO ENTRY**" indicates that there is no data stored in memory.

2. Hold down **N/S** and a screen appears to tell you how many items are stored in memory.



Number of items that can be stored
Number of items already stored in memory

Release **N/S** store to enter the Data Input mode, which is indicated by "**SET**" appearing on the display. At this time, the message "**DATA ?**" appears to ask you for data input.

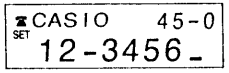


3. Input the name "CASIO", using the character input procedure described under "Inputting Data".

   [ABC] [ABC] [ABC] [▷] [ABC] [ST] [GHI] [GHI] [GHI] [MNO] [MNO] [MNO]

4. Since the text "CASIO" uses only 5 of the 8 characters available in the text section, press ▷ four times to advance to the number section.
5. Input the number "045-012-3456", using the character input procedure described under "Inputting Data".

   [0] [4] [5] [–] [0] [1] [2] [–] [3] [4] [5] [6]



- As you input each number, the numbers already displayed are shifted to the left. When you input the 12th number, the first number scrolls off the display, but it is still retained in memory.

6. Press **SET** to store the data into memory, and the "**DATA ?**" message reappears to prompt for more data input.

7. Input more data or complete the procedure by pressing **AC**.

- The message "**FULL**" appears on the display to indicate that memory is full whenever there are 50 data items stored in memory. If you want to input more data, you must first use the procedure described under "To delete Telephone Directory data items" to get rid of unnecessary data.

Automatic Sort Sequence

Data items are automatically sorted into alphabetical sequence, according to their text data. The following shows the sequence used for the sort.

space, period, symbols (−, ¥, $, £, →), numbers (0 ~ 9), letters (A through Z), hyphen

- Note that you can mark certain often-accessed data items with a space as their first text data characters to make them come at the beginning of the sorted data. This results in these data items being displayed first when you enter the Telephone Directory.

Recalling Telephone Directory data

You can use one of two procedures to recall Telephone Directory data: Sequential Search or Initial Character Search.

To use Sequential Search

1. Press **TEL** to enter the Telephone Directory mode.
2. Press ▽ and △ to scroll through the data items on the display. Holding down either of these keys scrolls the data at high speed.

To use Initial Character Search

1. Press **TEL** to enter the Telephone Directory mode.
2. Input the character or characters that are at the beginning of the text data of the data item you want to find.

- You can input up to all of the characters in the text data that you want to find. The more characters you use, the more exact your search.

3. Press **TEL** to start the search.
4. The first data item whose initial text data characters match the ones you specified appears on the display. Press **TEL** again (as many times as necessary) to view any more data items that match.

• If none of the data items match your specification, the message "**NO ENTRY**" appears on the display.

To edit Telephone Directory data

1. Press **TEL** to enter the Telephone Directory mode.
2. Press **N/S** to enter the Data Input mode, indicated by "**SET**" appearing on the display.
3. Use Sequential Search or Initial Character Search to locate the data item you want to edit.
4. Press ▷ to make the cursor appear at the first character of the text data, or ◁ to make it appear at the last character of the data.

5. Use ▷ and ◁ to move the cursor to the location of the change you want to make.
6. Use the procedures described under "Inputting Data" to make the changes you want.
7. After you make the changes, press **SET** to store the edited data.
8. Press **N/S** to exit the Data Input mode.

To delete Telephone Directory data items

Warning!
The following operation cannot be undone. Once you delete data it cannot be recovered.

1. Press **TEL** to enter the Telephone Directory mode.
2. Press **N/S** to enter the Data Input mode, indicated by "**SET**" appearing on the display.

3. Use Sequential Search or Initial Character Search to locate the data item you want to delete.
4. Press ▷ to make the cursor appear at the first character of the text data, or ◁ to make it appear at the last character of the data.
5. Press **C** and then **SET** to delete the displayed data item from memory.

- Once the data item is deleted, the message "**DATA ?**" appears to prompt for data input.
- If the data item you delete is the last one stored in memory, the message "**NO ENTRY**" appears on the display after it is deleted.

6. Press **N/S** or **AC** to complete the procedure.

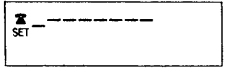
Using the Secret Function

The Secret Function divides Telephone Directory memory between a ***secret memory area*** (for storage of secret data) and an ***open memory area*** (for storage of non-secret data). No one can view secret memory area data if they do not know the secret password (up to 8 characters long) you register to protect it.

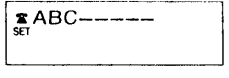
To create a secret memory area

Example: To input the password "ABC".

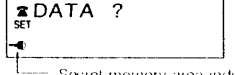
1. Press **TEL** to enter the Telephone Directory mode.
2. Press **N/S** to enter the Data Input mode, indicated by "**SET**" appearing on the display.
3. Press ⇥, and the password registration prompts input of a password.



4. Use the procedures described under "Inputting Data" to input the password you want to register for the secret memory area. You can use letters, numbers and symbols. In this example, we input "ABC".



5. After you input the password, press ◄ to register it.



Secret memory area indicator

- Registration of a password creates a secret memory area.
- At this point, you can use the secret memory area data (using the same procedures as those described under "Using the Telephone Directory"), or you can exit the secret memory area by pressing ◄ or **AC**

Warning!

Do not forget your password. If you do, there is no way that you can access the secret memory area. The only way to clear a forgotten password is to perform the reset operation (described under "Reset Operation"), which also clears all data from memory.

To access the secret memory area

1. Press **TEL** to enter the Telephone Directory mode.
2. Press ◄, and the password registration prompts input of the password.
3. Input the password that you registered for the secret memory area.
4. Press ◄ again to complete the procedure and access the secret memory area.

- If you input the correct password, the Data Cal enters the secret memory area at this time.
- If the password you enter does not match the one that is registered, the secret memory is not entered. The display returns to the step 2. above. Make the necessary changes in the password input and try again.

To input or edit data into the secret memory area

1. Access the secret memory area.
2. Input or edit data as described under "Using the Telephone Directory".
3. Press ◄ or **AC** to exit the secret memory area.

To recall data from the secret memory area

1. Access the secret memory area.
2. Search for the data you want using the procedures described under "Using the Telephone Directory".
3. Press ◄ or **AC** to exit the secret memory area.

Using Conversion Memories

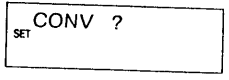
With Conversion Memories, you can assign values and text labels for one touch application in conversion calculations of currency, weights, measures, etc.

To store data in a Conversion Memory

Example: To store a currency conversion rate of £0.51 to the dollar.

1. Press **AC** to enter the Calculator mode.
2. Press **CONV** to enter the Conversion mode.

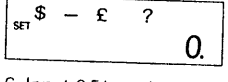
3. Press **N/S** to enter the Data Input mode, indicated by "**SET**" appearing on the display.



4. In the text section of the display, input the text that explains the conversion. Here, we will input "$ — £".

   [SYM] [SYM] [SYM] [SPACE] [SYM] [SPACE] [SYM] [SYM] [SYM] [SYM]

5. Press ▷ twice to move the cursor into the number section of the display.



6. Input 0.51 as the rate to use for the conversion and press **SET** to store the data in memory.

7. You can repeat the procedure from step 4 above to input more rates, or you can press **AC** to exit the procedure.

To recall data in a Conversion Memory

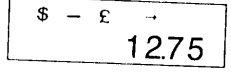
1. Press **AC** and then press **CONV** to enter the Conversion mode.
2. Press ▽ and △ to scroll through the data items on the display. Holding down either of these keys scrolls the data at high speed.

To use a Conversion Memory

Example 1: To convert $25 to pounds.

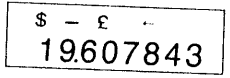
1. Press **AC**.

2. Press **CONV** and the data input in the previous procedure appears on the display.
3. Enter 25 and press ▷ to convert the dollar amount to pounds.



Example 2: To convert £10 to dollars.

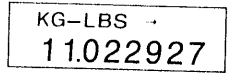
1. Press **AC**.
2. Press **CONV** and the data input in the previous procedure appears on the display.
3. Enter 10 and press ◁ to convert the pound amount to dollars.



Example 3: To convert 5kg to pounds (lbs).
(Suppose the rate 1kg=2.2045855 pounds is already stored in memory.)

When you store the text and unit conversion rate, use the procedure described under "Inputting Data" and "To store data in a Conversion Memory".

1. Press **AC** and then **CONV**.
2. Press ▽ several times to locate the rate on the display.
3. Enter 5 and press ▷ to convert the kilogram amount to pounds.



To edit a Conversion Memory data item

To edit text data

1. Press **AC** and then **CONV** to enter the Conversion mode.
2. Press **N/S** to enter the Data Input mode.
3. Recall the data item to be edited by pressing ▽ and △ .
4. Press ▷ to make the cursor appear at the first character of the text data.
5. Use ▷ and ◁ to move the cursor to the location of the change you want to make.
6. Use the procedures described under "Inputting Data" to make the changes you want.
7. After you make the changes, press **SET** to store the edited data.
8. Press **N/S** to exit the Data Input mode.

To edit number data

1. Perform the steps from 1 to 3 of the procedure described above.
2. Press ▷ to make the "?" symbol appear at the top line of the display.
3. After entering the number you want, press **SET** to store the edited data.
4. Press **N/S** to exit the Data Input mode.

To delete Conversion Memory data

1. Press **AC** and then **CONV** to enter the Conversion mode.
2. Press **N/S** to enter the Data Input mode.
3. Recall the data item to be deleted by pressing ▽ and △ .
4. Press ▷ to make the cursor appear at the first character of the text data.
5. Press **C** and then **SET** to delete the displayed data item from memory.

- Once the data item is deleted, the message "**CONV ?**" appears to prompt for data input.
- If the data item you delete is the last one stored in memory, the message "**NO ENTRY**" appears on the display after it is deleted.

6. Press **N/S** or **AC** to complete the procedure.

How memory is used

The amount of memory used for each Telephone Directory data item depends on how many digits you input for the number section. Note the following.

Characters	Memory Used	Total Capacity
12 or less	1 data item	50 data items
13 to 24	1.5 data items	33 data items

- Note that spaces and hyphens are also counted as numbers.

Memory Status Display

Anytime you are recalling or inputting data (Telephone Directory or Conversion Memory), hold down **N/S** to view the memory status display, which shows the number of data items currently stored in memory (including secret memory area data).

Note: The number of data items used is always rounded up to the nearest whole number. Note the following.

Number of data items with 13 to 24 numbers characters	Memory Used
1	2
2	3
3	5
4	6

Reset Operation

Warning!

The following operation clears all data from memory and cannot be undone. Perform the following operation before you use the Data Cal for the first time, or whenever you want to clear all data from memory.

1. Press the **RESET** button on the front of the Data Cal with a thin, pointed object.
2. The message "**RESET ?**" appears to confirm that you really want to clear all data from memory.
3. To clear all data from memory, press **SET**. To abort the reset procedure without clearing memory, press any key besides **SET**.
4. The display changes to "0." once the reset operation is complete.

Battery Replacement

PRECAUTIONS:

Incorrectly using batteries can cause them to burst or leak, possibly damaging the interior of the Data Cal. Note the following precautions:

- Be sure that the positive (+) and negative (−) poles of each battery are facing in the proper direction.
- Never leave dead battery in the battery compartment.
- Remove the battery if you do not plan to use the Data Cal for long periods.

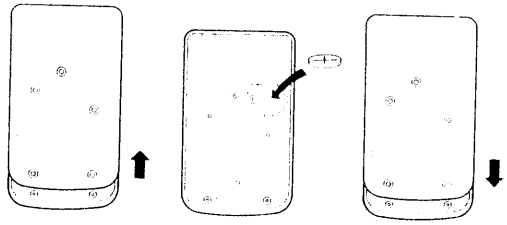
- Replace the battery at least once every two years, no matter how much the Data Cal is used during that period.
- Never try to recharge the battery supplied with the Data Cal.
- Do not expose batteries to direct heat, let them become shorted, or try to take them apart.

Keep batteries out of the reach of small children. If swallowed, consult with a physician immediately.

As battery power supply decreases, the display of the Data Cal will become dim and difficult to read.

Note that either battery replacement or the reset operation will erase all data stored in the Data Cal. Important data should be copied down on paper in advance of these operations.

- This Data Cal is powered by one lithium battery (CR2025).
- The following procedure should be performed when the display of the Data Cal becomes difficult to read:



1. Press the **OFF** key to switch power OFF.
2. Remove the five screws that hold the back panel of the Data Cal in place.
3. Carefully remove the back panel being careful to avoid damaging the terminal inside of the Data Cal.
4. Remove the old battery.

5. Wipe off the new battery with a soft, dry cloth, and load it into the Data Cal so that the positive pole (+) is facing upwards.
6. Replace the back panel of the Data Cal. Be careful to avoid damage to the tabs on the top of the panel and the terminals inside of the Data Cal.
7. Replace the five screws to secure the back panel in place.
8. Press the **ON** key to switch the power of the Data Cal ON, and press the **RESET** button with a thin, pointed object.

Calculations

- Pressing the [C] (clear) key cancels the latest numeric entry only.
- Incorrect entry of an operator ([+], [−], [×], [÷]) can be corrected by pressing the key corresponding to the correct operator.
- Pressing the [AC] (all clear) key cancels an entire entry.
- Pressing the [MC] (memory clear) key clears memory contents.
- Double entry of an operator ([+], [−], [×], [÷]) makes the numeric value followed by the double entry a constant.
- Besides symbols for each operator, the following indicators also appear on the display:
  M: Numeric value in independent memory
  K: Constant calculation being performed
  E: Error condition
- The error condition is released by pressing the [AC] or [C] key.
- Calculations should be performed after first pressing the [AC] key.

Specifications

Telephone Directory

Functions: Data storage/recall (50 items maximum), secret function, number of stored data item display, input data editing

Input capacity: 8 alphabetic characters or numbers+12 numbers (24 numbers maximum) per item

Conversion function

Functions: Data storage/recall (50 items maximum), number of stored data item display, input data editing

Input capacity: 6 alphabetic characters or numbers+8 numbers per item

- A combined total of up to 50 items may be stored in Telephone Directory and Conversion Memories.

Calculation

Functions: Addition, subtraction, multiplication, division, constants for +/−/×/÷, memory calculations, percentage calculations including add-ons/discounts and mark-ups, 16-digit approximate calculations and various other practical calculations
Capacity: 8 digits
Decimal point: Full-floating with underflow
Overflow check: Indicated by "E" sign, locking of Data Cal

General

Display: Liquid crystal display
Main component: LSI
Power consumption: 0.002W
Power supply: One lithium battery (CR2025)
Approx. 880 hours on CR2025

Auto power off: Approximately 6 minutes after last key operation
Ambient temperature range: 0°C ~ 40°C (32°F ~ 104°F)
Dimensions: 9.2 (H) × 68 (W) × 113 (D) mm
($^{3}/_{8}$" (H) × $2^{5}/_{8}$" (W) × $4^{1}/_{2}$" (D))
Weight: 42 g (1.5 oz) including battery